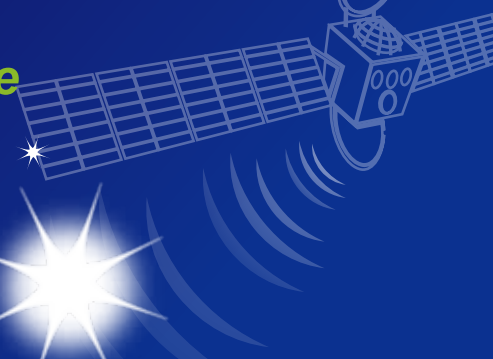


GPS Tracker is supposed to be this stable



AK1 Series GPS/GPRS Tracker

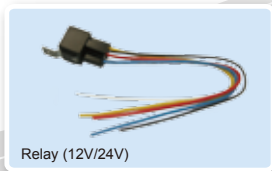
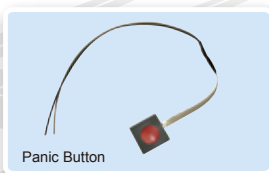
AK1 is a vehicle telematics device with GPS and GSM/GPRS communication which is able to monitor vehicle location and remote control via GSM/GPRS network. With its intelligent event control engine, users can define various combinations of vehicle conditions and generate various actions to meet their unique requirements.



Product Feature:

- Small and easy installation
- Data communication by SMS/USSD/TCP/UDP
- High accuracy GPS positioning
- GSM jamming detection
- Built-in 3-axis G-sensor
- FOTA firmware upgrade using FTP
- Configurable Real Time Tracking & Logging
- Intelligent event control engine
- 1-Wire® protocol supported
- 3 Configurable GPIOs
- Roaming preference settings
- Harsh driving behavior events
- Configurable power management
- 32 user defined geofences
- Support Garmin® FMI
- Support external fuel level sensor

Optional Accessories:



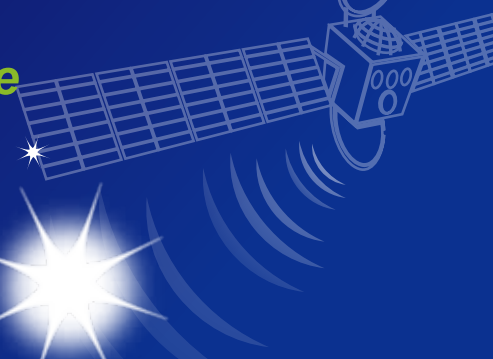
Compatible 3rd party device:



ATrack Technology Inc
www.atrack.com.tw



GPS Tracker is supposed to be this stable



AK1 Series Hardware Specification

Model Number	AK1	AK1(G)	AK1(L)
Dimensions (L x W x H)	80 x 48 x 26 mm		
Weight	78g		63g
Housing	PC+ABS (94 V-0)		
Operating Temperature	-25°C ~ +70°C	-25°C ~ +70°C	-40°C ~ +85°C
Electrical Characteristics			
Power Supply	8V ~ 40V DC (±20%)		
Current Consumption	Operating : 70mA@12V average, Deep sleep mode 4mA@12V		
Backup Battery	3.7V 650mAh Rechargeable Lithium-ion battery		N/A
Cellular Network Communication			
Frequency(MHz)	900/1800	850/900/1800/1900	900/1800
Output Power	2W@900 MHz	2W@850/900 MHz	2W@900 MHz
	1W@1800 MHz	1W@1800/1900 MHz	1W@1800 MHz
Cellular Antenna	Internal Quad-Band Cellular antenna		
SIM Card	1.8V/3V MiniSIM(2FF)		
GPS			
Receiver	50 Channels, L1 Band, C/A Code, -159dBm		
Accuracy	2.5m CEP		
Data Acquisition Rate	1Hz		
GPS Antenna	External GPS active antenna		
GPS Antenna status	GPS antenna tampering detection		
GPS Data Buffer	2 MB		
Accelerometer			
3-Axis	Z,X,Y		
Resolution	±16g, 400Hz		
Interface/Input/Output *The specification shown the max. ports of the I/O configuration.			
ACC Input	1 Positive Triggered		
*Digital Input	1 Positive, 2 Negative Triggered		
*Digital Output	2 Open-Collect Output (Max. sink current 300mA)		
*Analog Input	1 Analog input (0~40VDC, 12bits resolution)		
*1-Wire®	Supported up to 1 Dallas-Key(iButton®) and 2 temperature sensors		
RS-232	1 RS-232 interface (Configurable baudrate 1200bps~115200bps)		
Standard Accessories			
Power Cable	6-wires (Full function)		3-wires (PWR,GND,ACC)
GPS Antenna	External GPS Active antenna (Length 5m)		
Certification			
CE	Yes	N/A	Yes
FCC	N/A	Yes	N/A
RoHS Compliant	Yes		

*Specifications are subject to change without prior notice

